



# Philips luminous textile with **kvadrat** soft cells

Installation and cleaning guide

**PHILIPS**



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## I. Component list

Name:		
1	Luminous textile panel (LTP)	a. Wall mounted b. Ceiling mounted
2	Ethernet cable	
3	Mounting kit	a. Portrait / landscape wall mounting kit b. Ceiling / recessed mounting kit c. Pending ceiling mounting kit
4	Remote control with USB receiver	
5	User reference guide	
6	Installation and cleaning guide	
7	Packaging	
8	Philips Content Manager 2.0 software (online)	
Not included:		
Screws and plugs for fixation onto wall or ceiling		
Tools		

*Table 1: Component list*

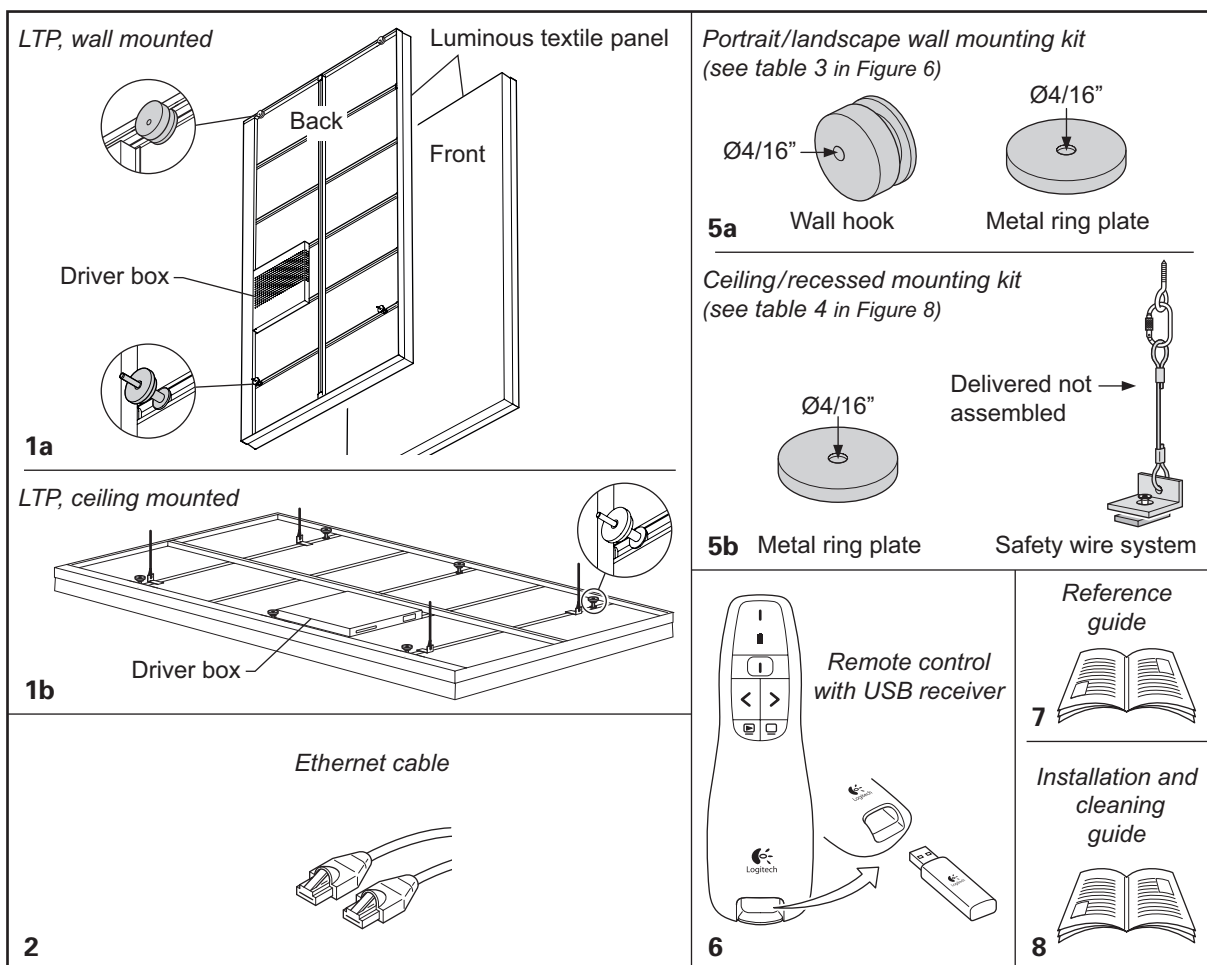


Figure 1: Components

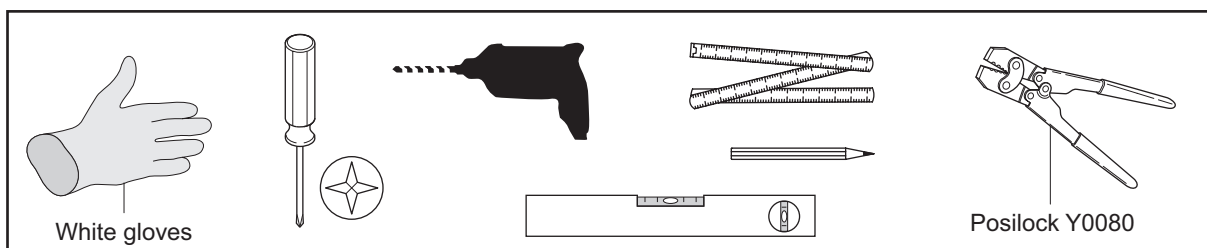


Figure 2: Required tools (not included)

## 2. Before installation

For the complete installation, including the programming of the network settings and the content, it is important that you locate all the necessary documents provided by your contractor before installation.

**Required documents, drawings and digital files:**

- Electrical and mechanical installation drawing
- Content Manager software 2.2
- Content Manager project folder (\*.zip)

### 3. Master and Slave or Standalone configuration

The luminous textile panels have 2 modes:

1. Player
2. Streaming

For setting the installation in Streaming mode go to *Chapter 5.8 Streaming System (DVI)*.

In Player mode, the luminous textile panels can have 3 types:

1. Master
2. Slave
3. Standalone

This mode can be set in the Content Manager software in the Network configuration area under the topic Type or in the administrator section on the control page.

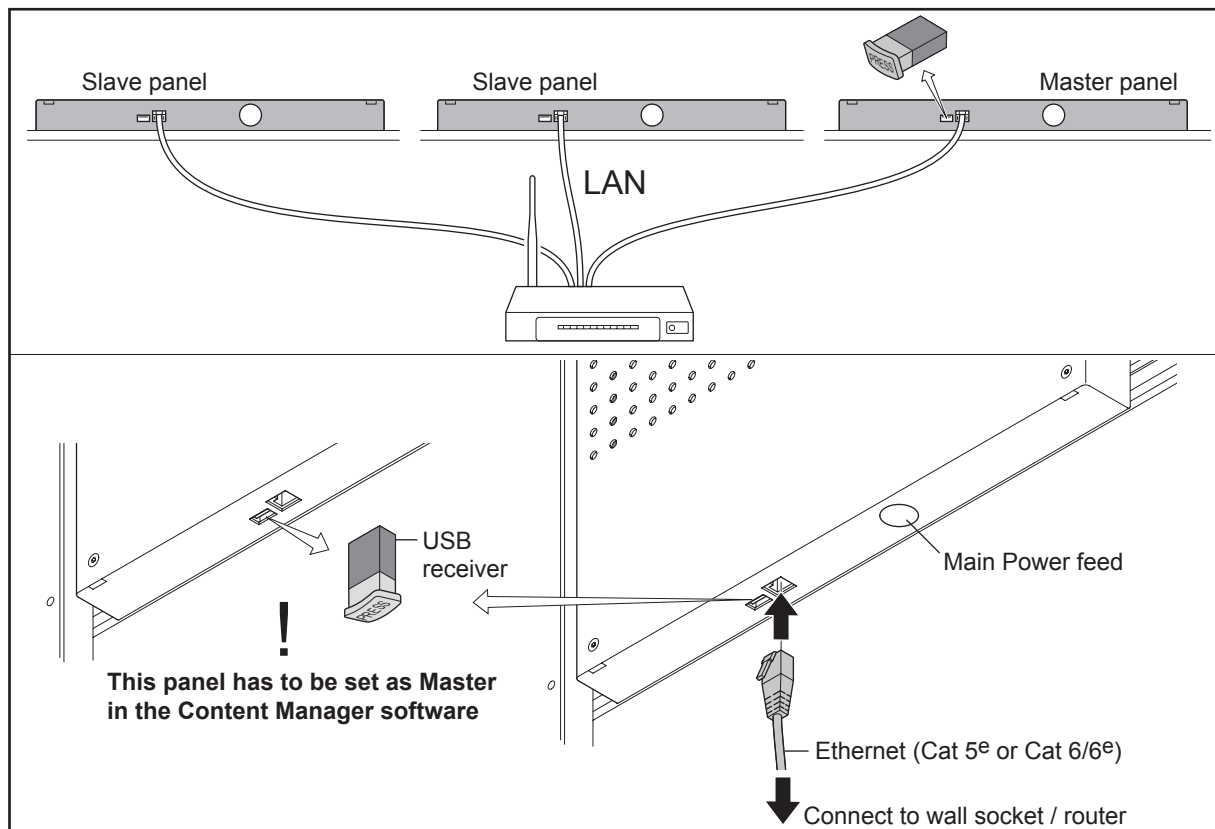
Each luminous textile panel is a Standalone panel by default. That means that the panel will operate independently from other panels and will not be synchronised with any other LTP.

When multiple luminous textile panels are to be used to display synchronised content (i.e. when multiple LTPs are used to form one large screen), one of the LTPs should be set as Master and all the others as Slave. The Master LTP handles the synchronisation and is also the LTP that should hold the (optional) Remote control USB receiver (see *Figure 3*). When the Master receives commands from the controls (Remote control, Control page), it will instruct the Slave panels to follow the commands.

There can only be one Master panel, and this panel will control all the Slaves that are connected in the LAN.

*Figure 3* shows instructions on how to connect multiple panels and define the Master panel.

*Chapter 5* explains how to configure the Master and Slave panels in the Content Manager software.



*Figure 3: Master and Slave or standalone configuration*

## 4. Installation instructions

### 4.1. The actual installation - guidelines

- This product is intended for permanently connected electrical installation. Adhere to locally applicable guidelines for permanent electrical connections, such as provided by e.g. NEC, in combination with the electrical ratings provided by this user manual.

#### Electrical connection of the LTP

This product is intended for permanently connected electrical installation. Only use wiring with a temperature rating of at least 90° C. Connect only to branch circuits that are rated for a maximum current of up to 20A.

1. Position the LTP horizontally on a clean and flat surface, or place it upright in a stable position, such that the LTP's power connection becomes easily accessible.

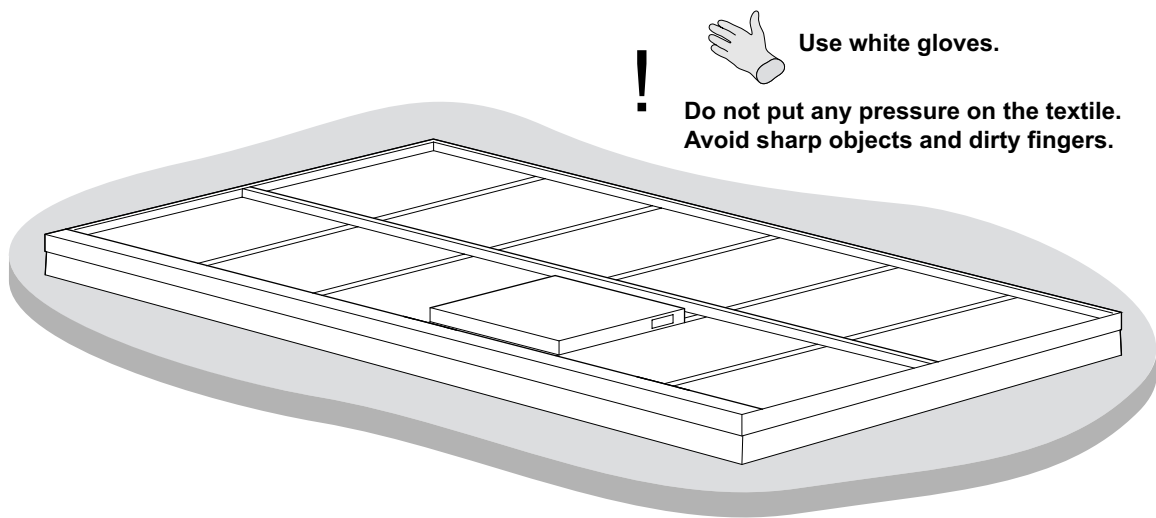


Figure 4: Place the LTP on a clean and flat surface for easy access to the housing

2. Unscrew the cover of the housing.

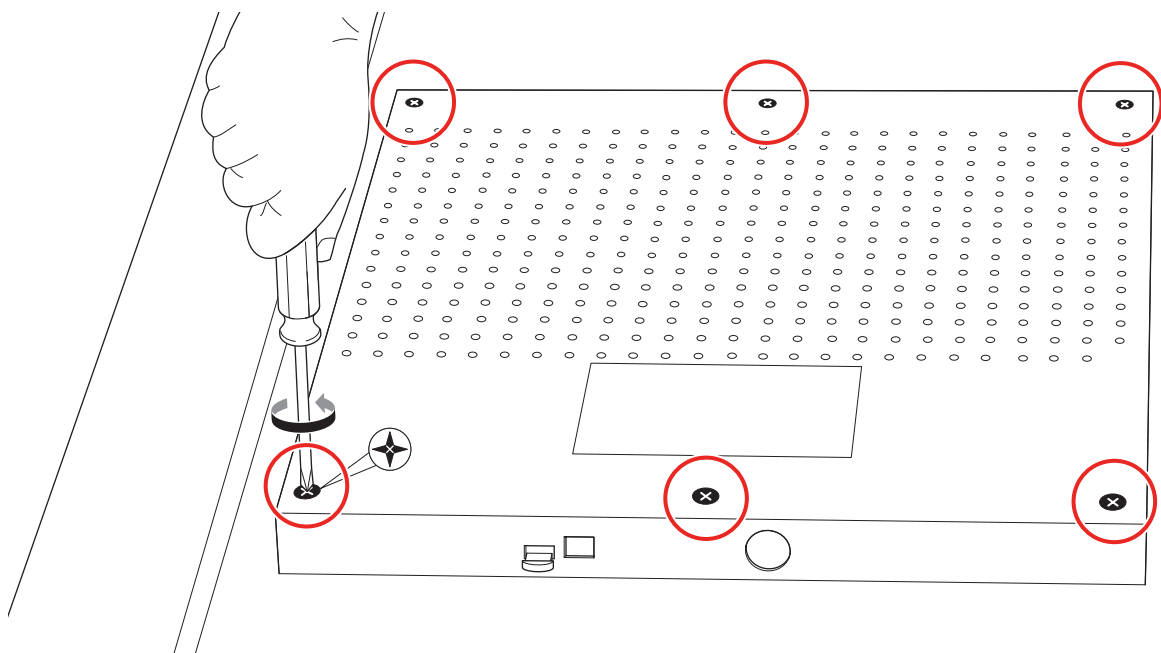


Figure 5: Unscrew the housing cover



3. Locate the mains connection points.

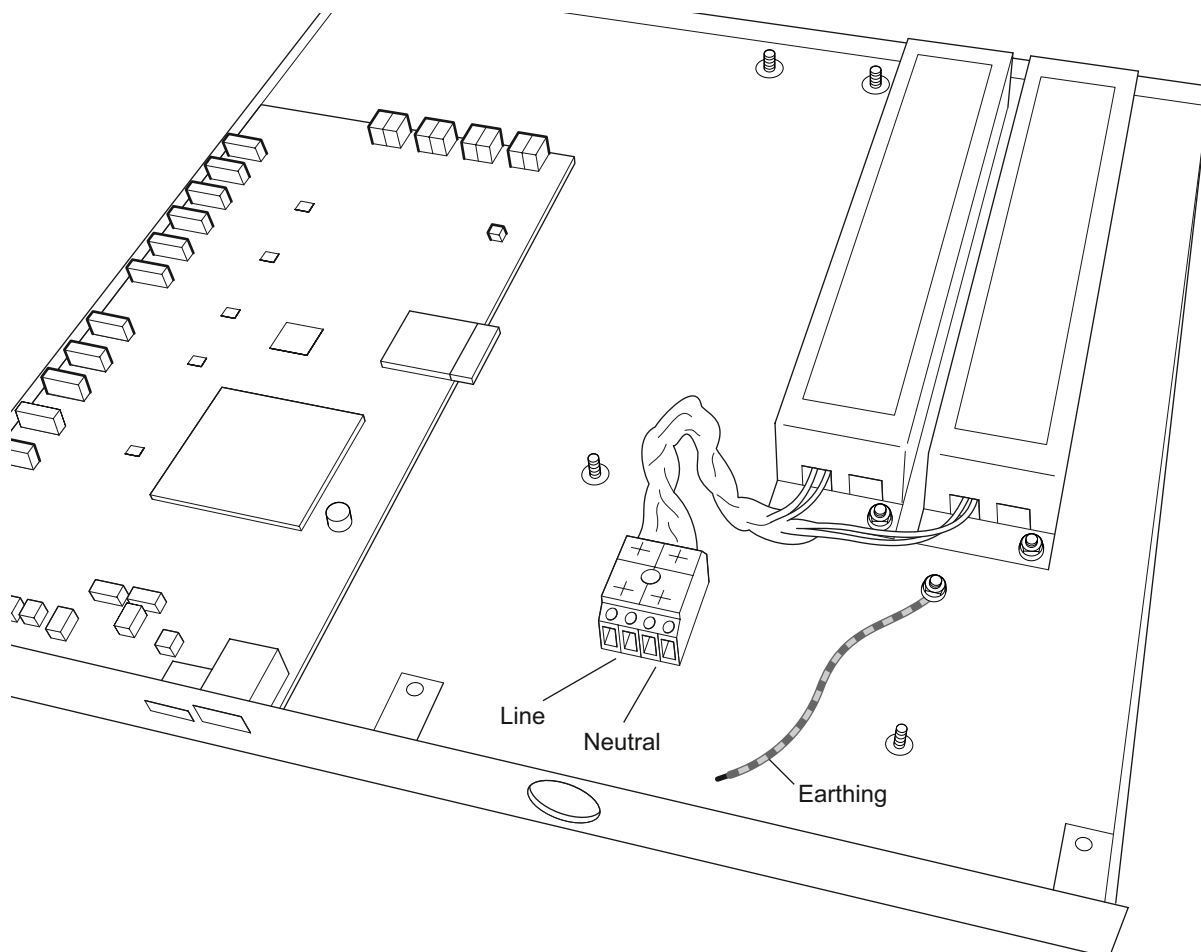


Figure 6: Locate the mains connections inside the housing

4. Attach a wire conduit (knockout size  $\frac{1}{2}$ " ) to the housing through the circular hole, as indicated in Figure 7. Pull through the electrical wires of line, neutral and earthing.

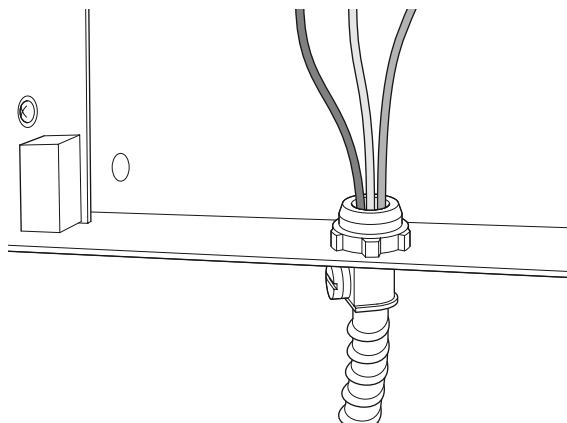


Figure 7: Attach a wire conduit

5. Connect the line and neutral wiring to the internal black terminal block. Connect the protective earth wire to the stripped & tinned pigtail end using an approved connection like a wire nut or similar.

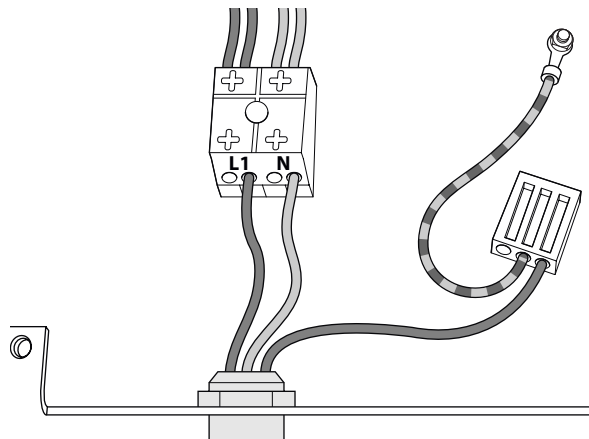


Figure 8: Connect wiring to connection points inside the housing

As an option, a chain of different driverboxes can be hooked up in a daisychained way for the mains wiring using a duplex cable fitting or similar like shown in Figure 9. Please observe and comply to the following rules:

- All connections should be made according to the local electrical code.
- Only use a UL approved duplex fitting or similar.
- Do not exceed the maximum amount of driver boxes in a single daisychain to keep the combined mains current within applicable limits for wiring and installation.

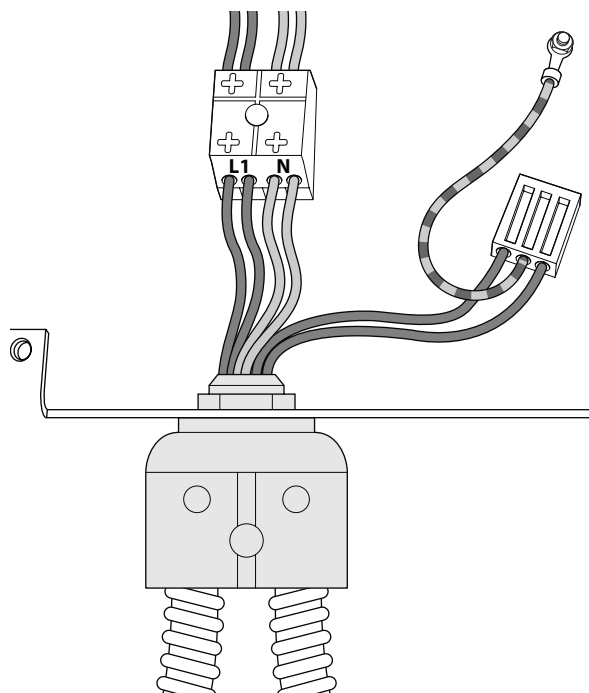


Figure 9: Hooked up in a daisychained way

6. Screw the cover back onto the housing.

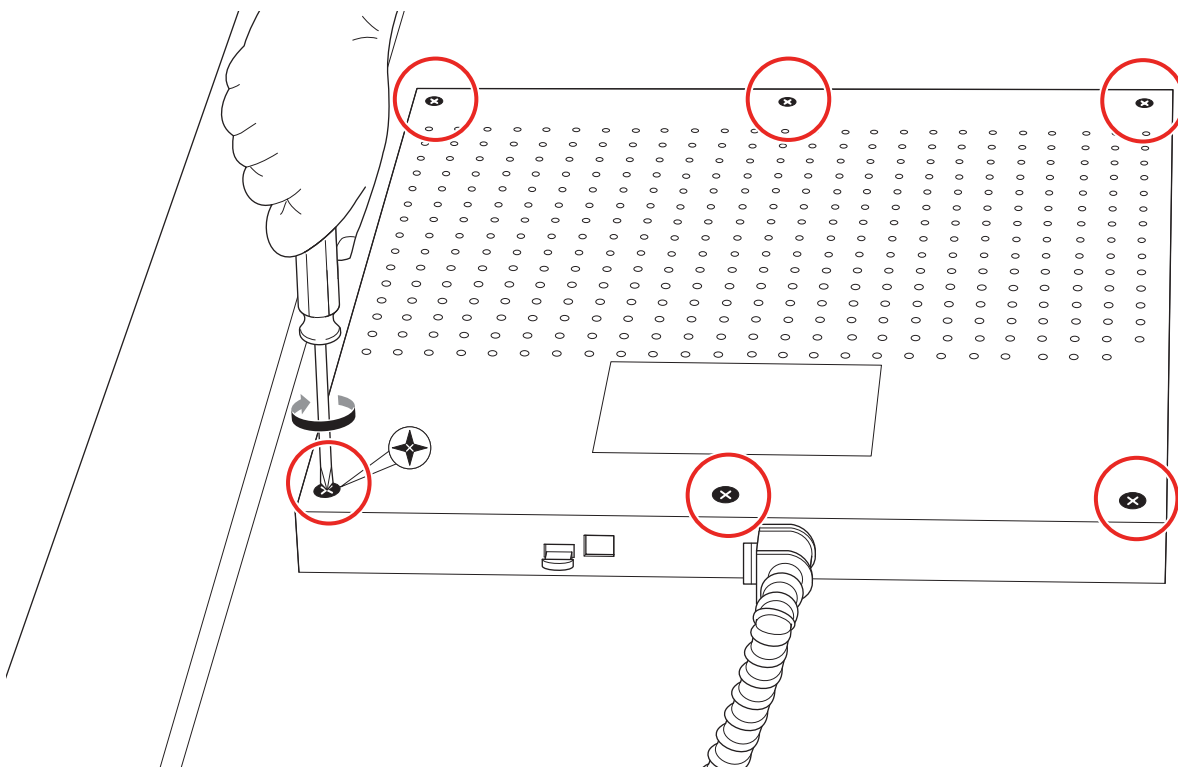


Figure 10: Screw cover back onto housing

1. Use white gloves during handling of the panel throughout the entire installation to avoid staining the textile.
2. Suitable Ethernet routers are:
  - Linksys: E1000
  - D-Link: DIR635 / DIR655
  - or other router with support for port forwarding
3. Make sure to contact the local IT department when connecting the router in the network.
4. Ethernet cabling should be Cat 5e or Cat 6/6e.
5. Make sure the power and Ethernet sockets are positioned so they do not interfere with the elements on the backside of the LTP.
6. Make sure the site is dust-free.
7. Make sure that the depth and size of the recessed installation are in accordance with the installation drawings.
8. Make sure that the fasteners used to attach the LTP to the wall or ceiling are adequate to support its weight:
  - for Wall mounting see Table 3 in Figure 13
  - for Ceiling / Recessed mounting see Table 4 in Figure 15
9. Philips cannot be held liable for any damage to the product finish or function as a result of incorrect installation or failure to follow the preceding instructions. Also Philips can not be held liable for the total security of your local network.

**Note:**

- This product is intended for permanently connected electrical installation. Adhere to locally applicable guidelines for permanent electrical connections, such as provided by e.g. NEC, in combination with the electrical ratings provided by this user manual.
- Each LTP should have its own Ethernet connection in order for them to remain synchronised. It is not possible to make an Ethernet connection directly between two LTPs. Each Ethernet connection must be directly connected to an Ethernet router.

Size		Rated input power (W)	Weight	
Width	Length		kg	lbs
28" 11/32	28" 11/32	40	10	22
	63" 25/32	80	17	37
	85" 1/32	125	25	55
	155" 29/32	180	34	75
	177" 5/32	205	43	95
	217" 10/32	250	51	112
	255" 4/32	290	58	128
47" 8/32	28" 11/32	60	13	29
	63" 25/32	125	20	44
	85" 1/32	200	30	66
	155" 29/32	290	40	88
	177" 5/32	335	50	110
	217" 10/32	405	60	132
	255" 4/32	475	68	150

Table 2: Power and weight as a function of dimensions.

### Important

Screws are not supplied with the mounting kits and must be selected carefully depending on the weight of the panel and the wall material (wood, concrete, etc.). The screws may not exceed 4/16" in diameter.

Philips will not accept any responsibility for damage to the product or other devices that occurs during installation or use, nor will Philips accept responsibility for accidents or injuries caused by the product when the weight of the panels is not taken into account for the installation.

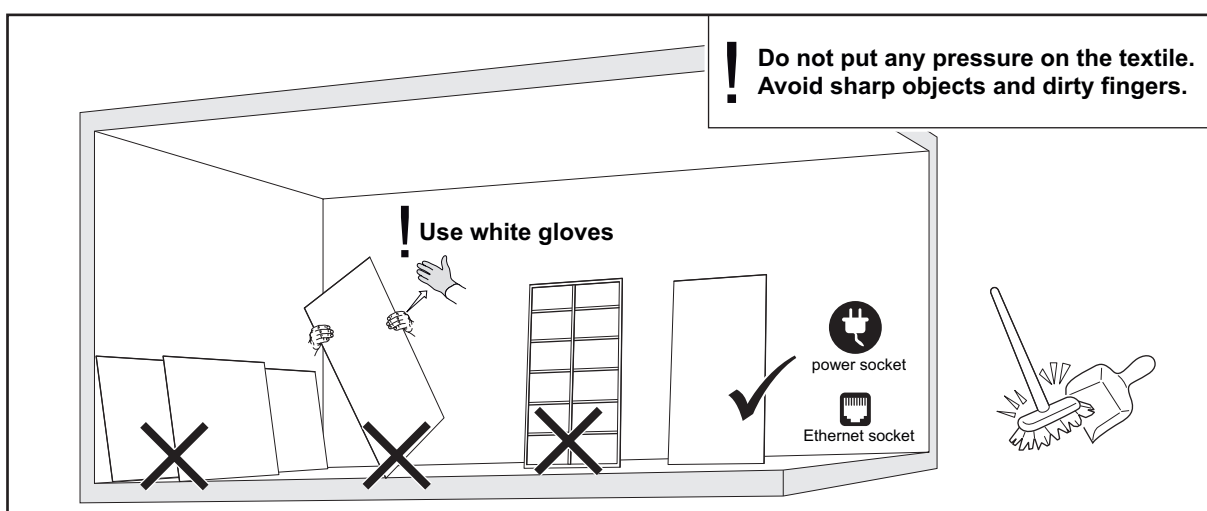


Figure 11: Handling

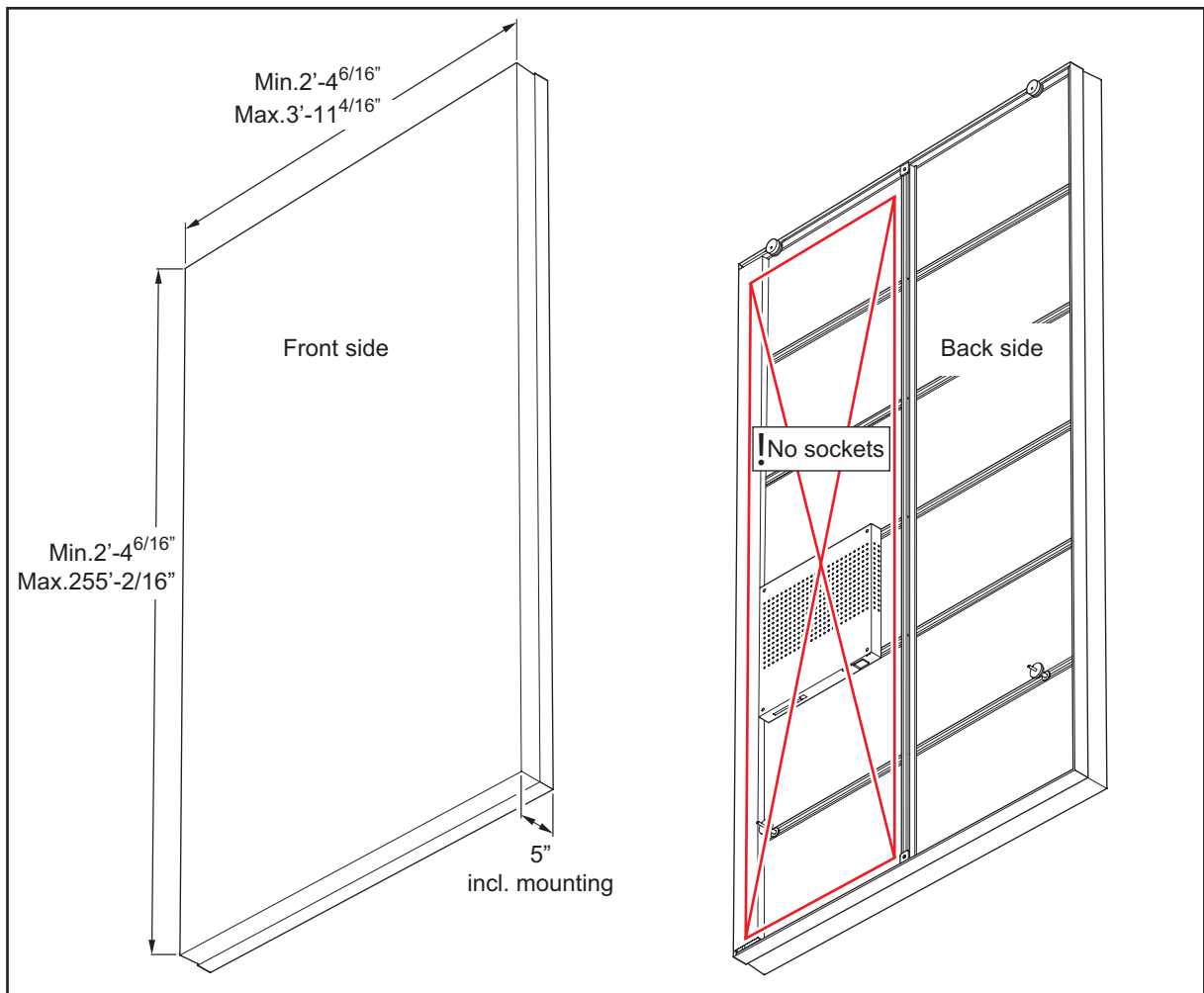


Figure 12: Dimensions

#### 4.2. Wall mounting Portrait / Landscape

Table 3

Length (m)	Wall mounting			
	Portrait		Landscape	
	Wall hooks	Magnetic bracket	Wall hooks	Magnetic bracket
0-2	2	2	2	2
2-3	2	2	2	2
3-4	3	2	3	2
4-5	3	2	3	2
5-6	3	2	4	2
>6	3	2	4	2

1

Diagram 1 illustrates the landscape mounting process. It shows a landscape photo being mounted. A central diagram shows a rectangle with four dots at the corners, labeled "Length (m)" at the bottom. Above the rectangle, two horizontal arrows indicate a distance of  $5 \frac{14}{16}$ " from each side to the first dot. To the left, a circular inset shows a "Wall hook" with a screw. To the right, a "Magnetic bracket" is shown being attached to a rail.

2

Diagram 2 illustrates the portrait mounting process. It shows a portrait photo being mounted. A central diagram shows a rectangle with four dots at the corners, labeled "Length (m)" on the left. To the right of the rectangle, two vertical arrows indicate a distance of  $5 \frac{14}{16}$ " from each side to the first dot. To the left, a circular inset shows a "Wall hook" with a screw. To the right, a "Magnetic bracket" is shown being attached to a rail.

3

Diagram 3 shows two sub-diagrams, 4a and 4b, detailing the mounting hardware. 4a shows a "Wall hook" being attached to a rail with a screw. A weight limit of "Max. 220lbs" is indicated. A note says "not included" with an arrow pointing to a screw. 4b shows a "Metal ring plate" being attached to a wall with a screw. A note says "not included" with an arrow pointing to a screw.

Figure 13: Wall mounting Portrait / Landscape

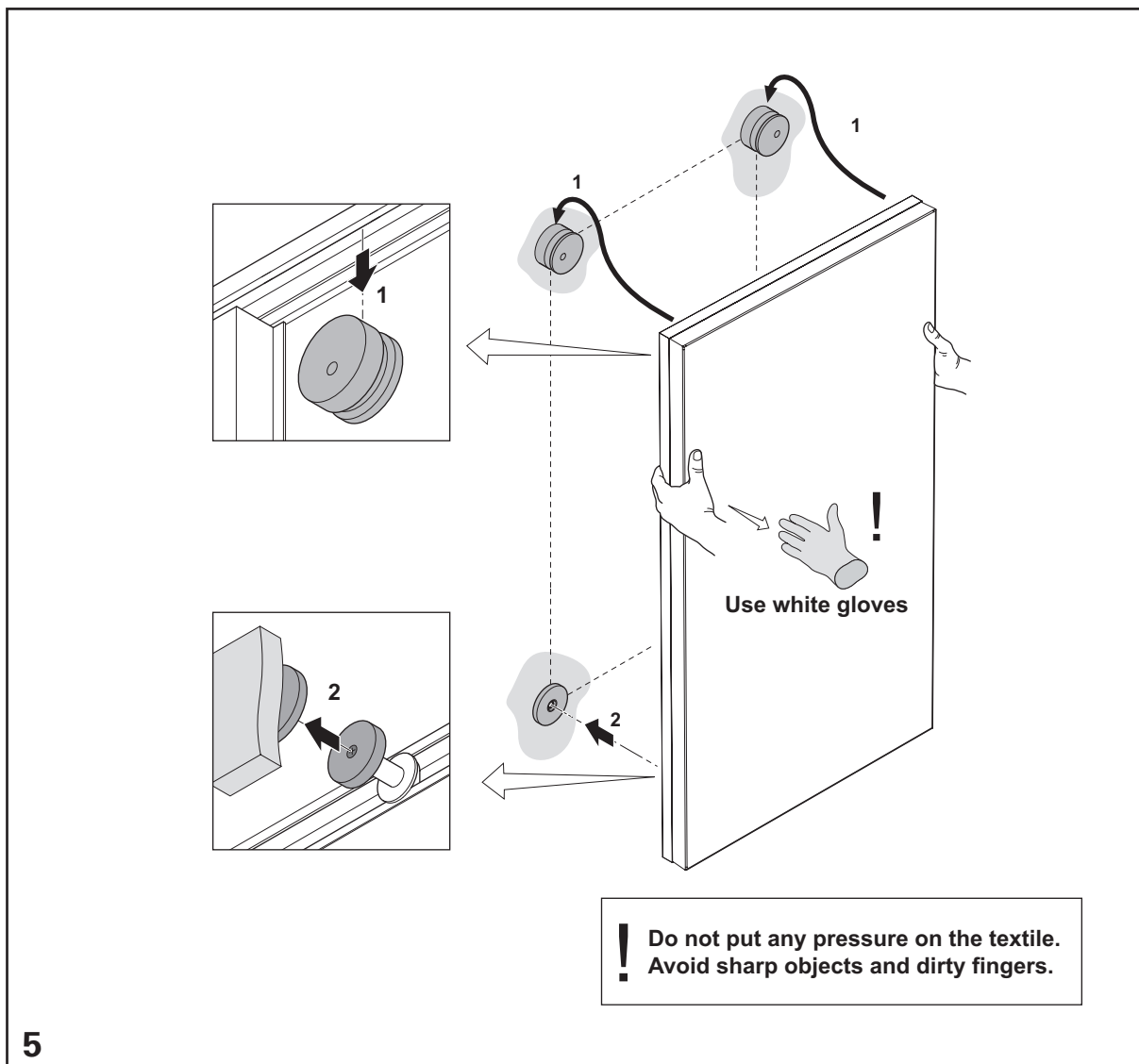
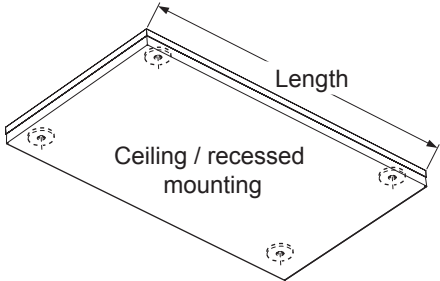


Figure 14: Wall mounting Portrait / Landscape

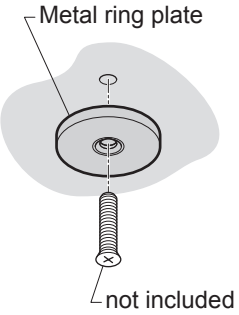
#### 4.3. Ceiling / Recessed mounting



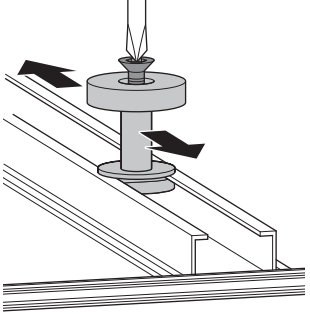
**1**

Table 4

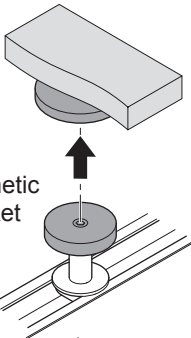
Ceiling / Recessed mounting		
Length	Magnetic bracket	Min. safety wires
0 - 78"	4	4
78" - 118"	6	4
118" - 158"	8	4
158" - 196"	10	6
196" - 236"	12	6
>236"	14	6



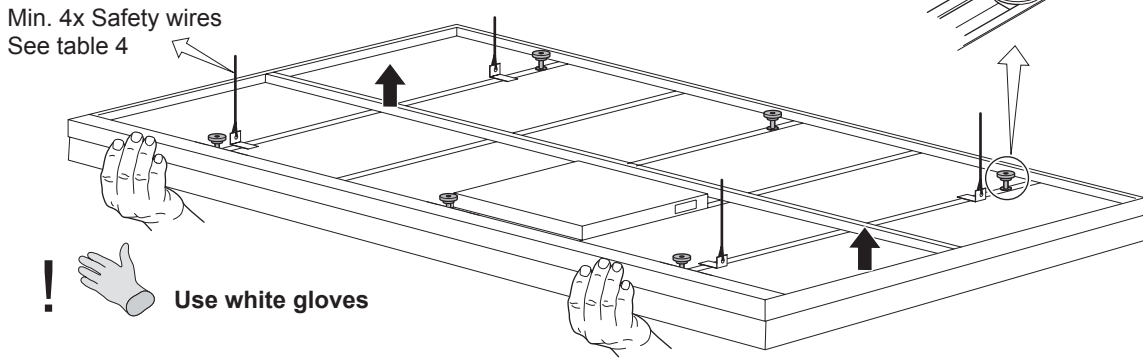
**2a**



**2b**



Magnetic bracket

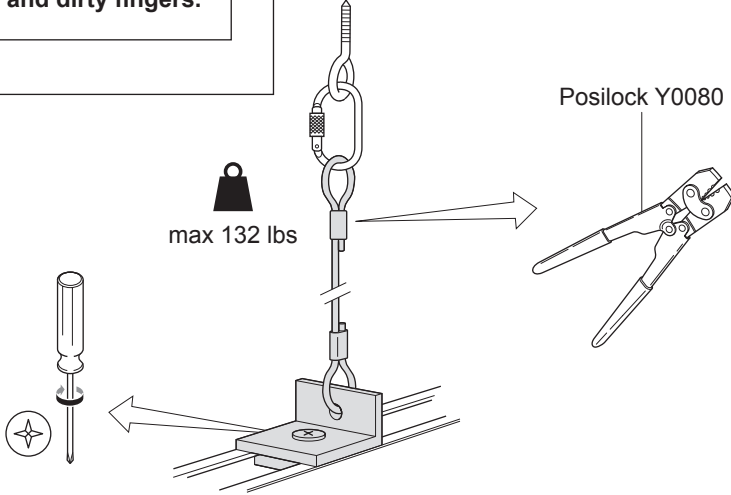


Min. 4x Safety wires  
See table 4

**!** Use white gloves

**!** Do not put any pressure on the textile.  
Avoid sharp objects and dirty fingers.

**2c**



max 132 lbs

Posilock Y0080

**3**

Figure 15: Ceiling mounting



### Recessed mounting

The panel is mounted using magnetic brackets only. The Ethernet and power sockets must be recessed in the wall. If sockets are installed behind the panel, 1" 13/32 of space must be left between the inside panel and the mounting surface. The total thickness of the sockets and cable plugs cannot exceed 1" 13/32 if they are to fit behind the panels.

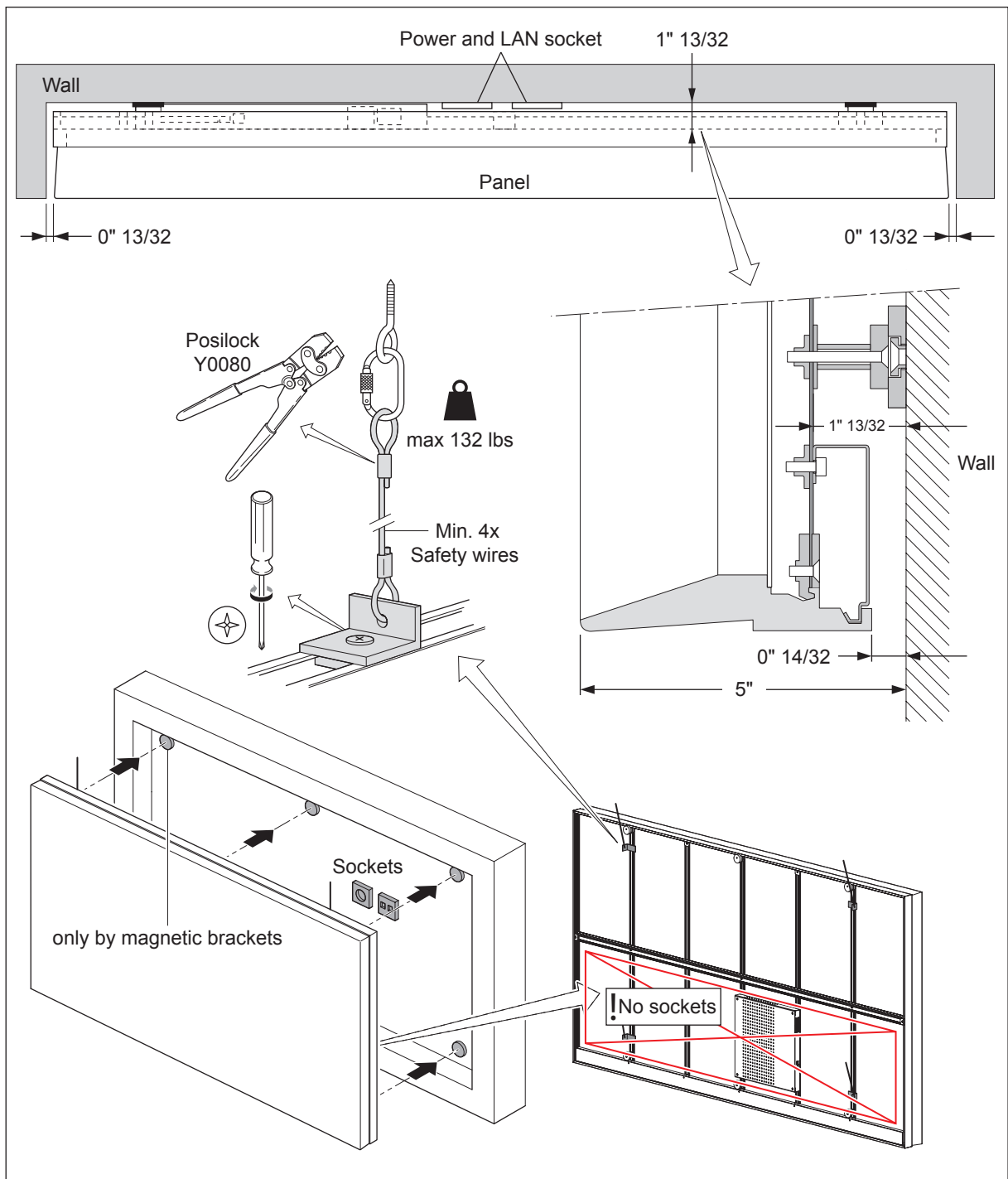


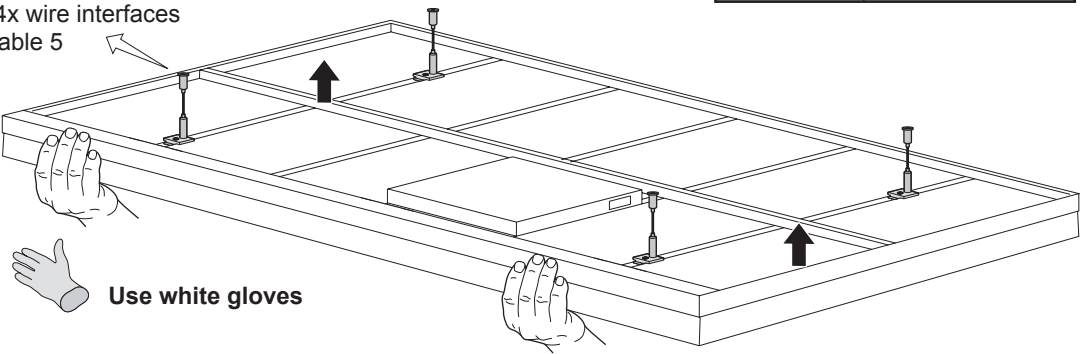
Figure 16: Recessed mounting

#### 4.4. Pending ceiling mounting

**Table 5**

**!** Do not put any pressure on the textile.  
Avoid sharp objects and dirty fingers.

Min. 4x wire interfaces  
See table 5



**1**

Pending ceiling mounting	
Length	Min. wire interfaces
0 - 78"	4
78" - 118"	4
118" - 158"	4
158" - 196"	6
196" - 236"	6
>236"	6

**POSILOCK interface Karl Stahl**

Suspended ceilings:  
The ceiling mounting kit is compatible with the Carl Stahl POSILOCK suspended ceiling system.

For more information about the POSILOCK system: [www.carlstahl.com](http://www.carlstahl.com)

**2**

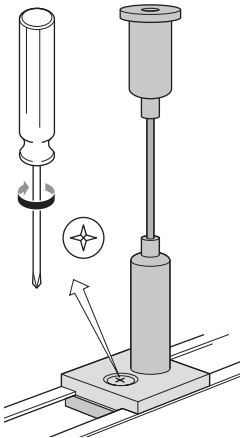
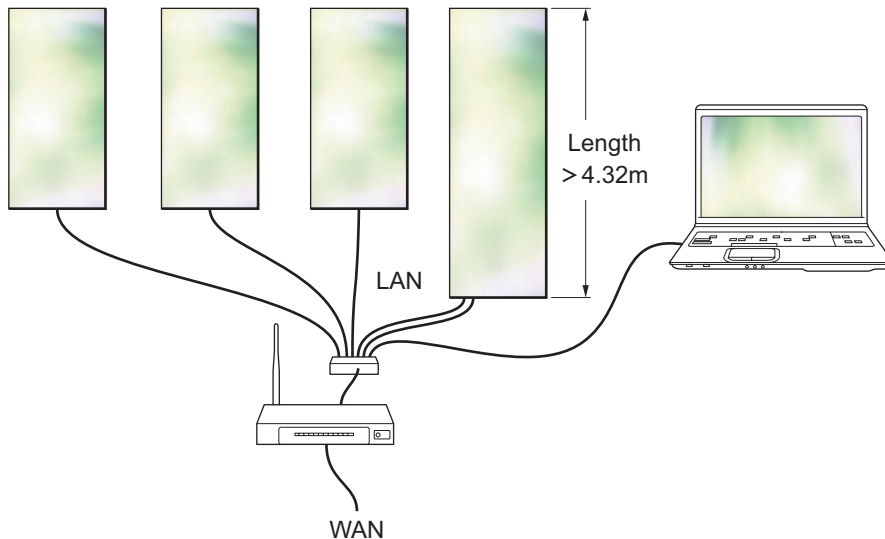


Figure 17: Pending ceiling mounting

## 5. Network configuration

The luminous textile panel has one or two Ethernet interfaces, depending on the LTP dimensions. This Ethernet connection is used to upload content, control the LTP and synchronise multiple LTPs. In order for the LTP to function correctly, the Ethernet set-up must be as shown in *Figure 18*.



*Figure 18: Ethernet set-up*

Each LTP should be connected to an Ethernet router that acts as a DHCP server and provides network security for the panels. It is possible to connect the LTP(s) directly to a router in the existing business or home network at your site but it is recommended that they be placed behind a separate router such that the LTP(s) are in their own network, separate from the rest of the business network. This is especially preferred when a large number of LTPs are connected together. A special case is for LTPs with lengths greater than 170" 3/32. These larger panels have two Ethernet connections behind the panel which have to be handled in the same way as two separate LTPs.

The following chapters will go into more detail about the correct way to set up the Ethernet network for the LTPs. The following steps will be explained:

1. Discover all luminous textile panels in the same LAN subnet.
2. Set-up port forwarding when necessary.
3. Connect to the LAN / WAN.
4. Run Content Manager and perform surface configuration.
5. Perform "Identify" to test the set-up.
6. Prepare and upload content in the Content Manager.
7. Change the settings of the LTP on the administrator section of the control page.

Philips will accept no responsibility for damage to the product or other devices when the device is connected to the internet via an non-secure connection.

### Note:

- Do not connect two LTPs together via Ethernet. Every LTP must be connected directly to a router (or switch).
- A DHCP server is a router function that automatically assigns an IP address to every connected Ethernet device. Practically all routers include this function.
- A subnet is a network segment. Devices on the same segment can "talk" to each other. Within a local area network, devices can only talk to other devices on the same subnet. A subnet is technically defined as a range of IP addresses and a so-called subnet mask. The IP address range and the subnet mask can be set in the router settings menus. Consult the documentation of the Ethernet router for more information.

### 5.1. Discover all luminous textile panels

Before starting to configure the panels over the network, download the content manager from [www.LLcontent.com/downloads](http://www.LLcontent.com/downloads)

All LTPs connected to the same LAN subnet can be detected automatically using the procedure described below. In a large installation with multiple subnets/LANs this procedure must be repeated for each subnet and LAN.

1. Connect a PC directly to the LAN to which the panels are connected.

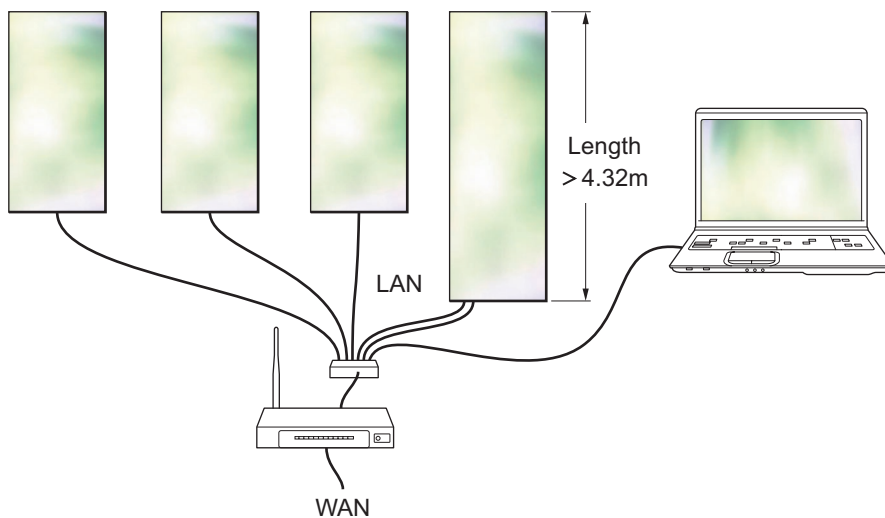


Figure 19: Connecting a PC to the LAN for discovery of the LTPs' IP addresses.

2. Open the Content Manager when connected to the local LAN.

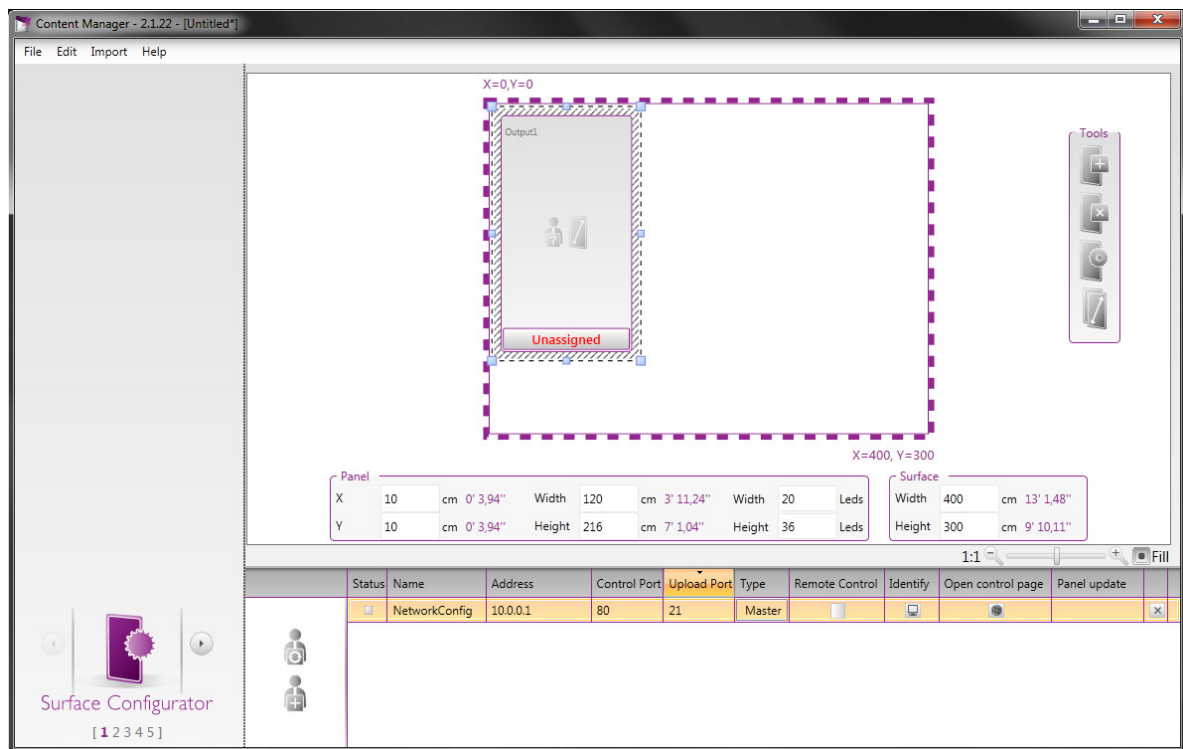



Figure 20: Content Manager - Surface Configurator


Scan the network for luminous textile panels by clicking on the auto-discover icon in the network configuration section shown below.



Status	Name	Address	Control Port	Upload Port	Type	Remote Control	Identify	Open control page	Panel update
<input type="checkbox"/>	NetworkConfig	10.0.0.1	80	21	Slave	<input type="checkbox"/>			

Figure 21: Content Manager - Network Configurator Auto-discovery

When clicking auto-discover the Content Manager scans and searches the network for panels in the LAN network. When LTP's are found the content manager will list them as shown in Figure 22.




Status	Name	Address	Control Port	Upload Port	Type	Remote Control	Set type	Identify	Open control page	Panel update		
<input type="checkbox"/>	left	192.168.0.172	80	21	Slave	<input type="checkbox"/>						
<input type="checkbox"/>	middle	192.168.0.160	80	21	Master	<input checked="" type="checkbox"/>						
<input type="checkbox"/>	right	192.168.0.193	80	21	Slave	<input type="checkbox"/>						

Figure 22: Content Manager - Network Configurator Scan

Open the Content Manager manual from the Help menu to get more information about manual configuration of the IP address, control port, upload port and panel type for each LTP.

- When you click the identify icon in the network configuration list (as shown below in Figure 23), Content Manager will try to connect to the selected LTP and change the content displayed on that panel to a test pattern.




Status	Name	Address	Control Port	Upload Port	Type	Remote Control	Set type	Identify	Open control page	Panel update		
<input type="checkbox"/>	left	192.168.0.172	80	21	Slave	<input type="checkbox"/>						
<input type="checkbox"/>	middle	192.168.0.160	80	21	Master	<input checked="" type="checkbox"/>						
<input type="checkbox"/>	right	192.168.0.193	80	21	Slave	<input type="checkbox"/>						

Figure 23: Content Manager - Network Configurator Identify

For more information about the "Identify" command please refer to the Content Manager manual and consult "Configure a surface" in Chapter 3.

If there is no visual feedback on the selected panel, see *Chapter 8: Troubleshooting*.

- If you have installed the remote control USB receiver in one of the LTPs, an active selection box will be shown in the Remote control section as in Figure 24.

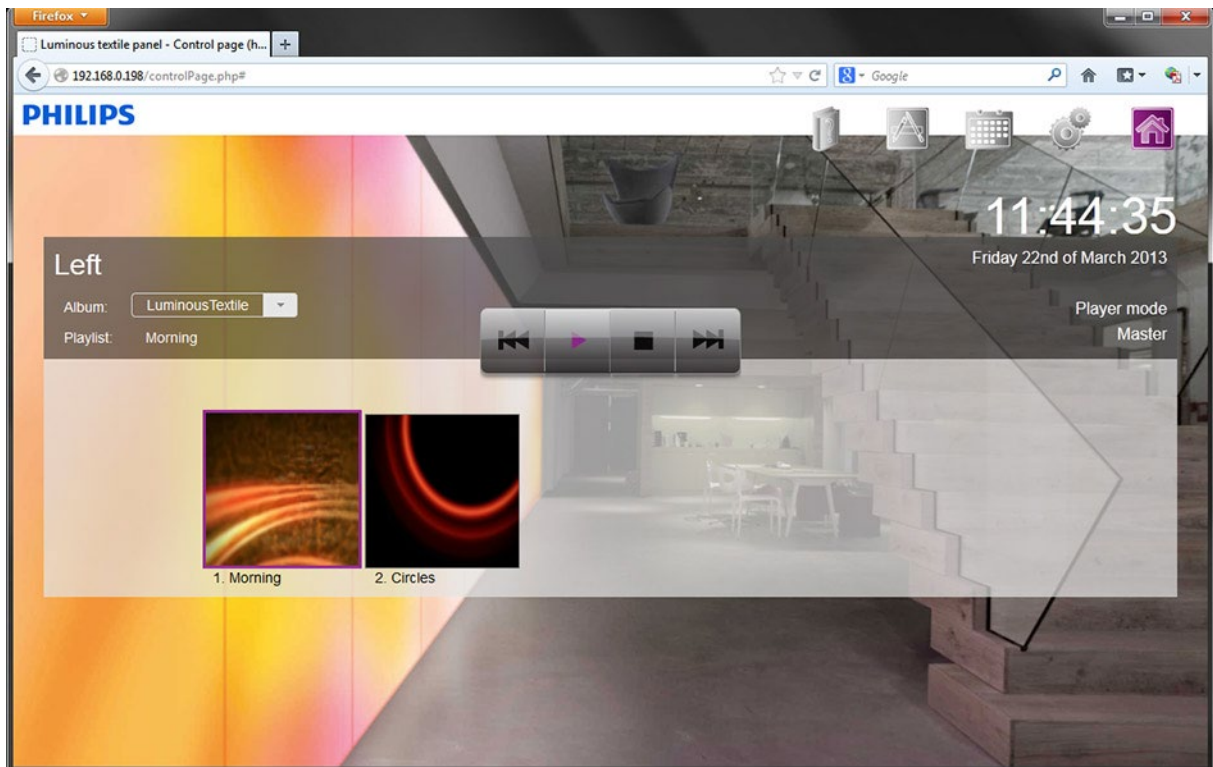


Status	Name	Address	Control Port	Upload Port	Type	Remote Control	Set type	Identify	Open control page	Panel update		
<input type="checkbox"/>	left	192.168.0.172	80	21	Slave	<input type="checkbox"/>						
<input type="checkbox"/>	middle	192.168.0.160	80	21	Master	<input checked="" type="checkbox"/>						
<input type="checkbox"/>	right	192.168.0.193	80	21	Slave	<input type="checkbox"/>						

Figure 24: Content Manager - Network Configuration Remote

Use the remote control (stop, next or previous button) to see whether the LTP responds to the remote control commands. This LTP must be set as the Master by selecting Master in the “Type” column, as shown in *Figure 24*.

5. Click “Open control page” for the Master. This will open the control page of the Master LTP as shown in *Figure 25*.



*Figure 25: Control Page*

On the control page you can change the overall settings. You must do this in the administrator section, which you can access by clicking the administrator button on the top right.

Default login:

User name: admin  
Password: admin

Note:

- For LTPs larger than 170" 1/16 x 46" 4/16 there will be 2 Ethernet connectors on the back side of the LTP. These must be configured separately in the network.

For additional information about dealing with bigger panels, see *Chapter 8: Troubleshooting*.

## 5.2. Surface Configuration

Open the Content Manager manual from the help section and follow the instructions in chapter 3.2 Configure a surface on how to import or create a new surface.

## 5.3. Setting the time

When you program your luminous textile panel installation with a schedule in the Content Manager - Scheduler, you must make sure the LTP's internal clock is set to the correct time.

When you have one Standalone installation or multiple panels, make sure the internal clock is set to the correct local time.

When you have a Master/Slave configuration, only the Master needs to be set to the local time. The Master will automatically synchronise the Slave panels.

For more information about Standalone and Master/Slave configuration, see *Chapter 3*.

For more information on how to set the time on your panels, please refer to the help section of the Content Manager.

## 5.4. Program your content

When the surface configuration and the network configuration are finished, you can begin creating and editing playlists.

In the Content Manager - Playlist editor, it is possible to import content from different sources and add it to different playlists.

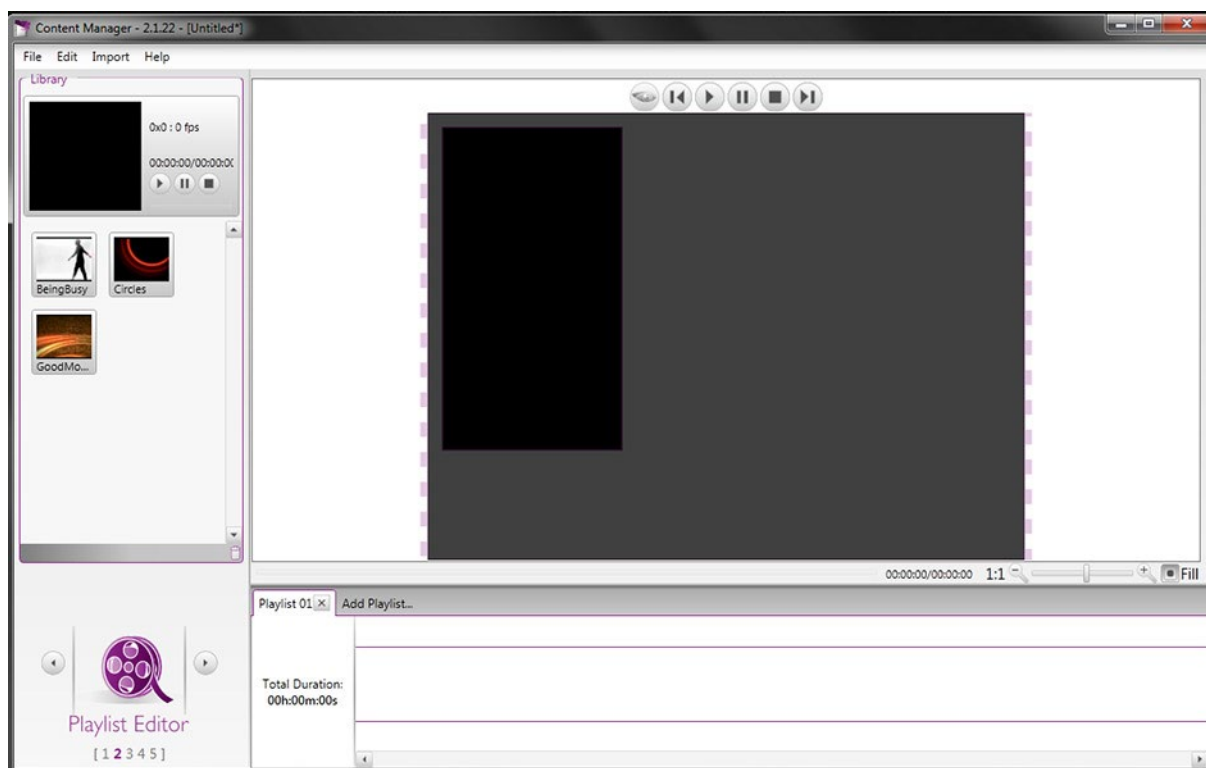


Figure 26: Content Manager - Playlist Editor

Playlists can be recalled by the remote control or through the control page mentioned previously in section 5.1. The main actions associated with playlists are play, stop, next playlist and previous playlist.

Every playlist can also be scheduled in the scheduler to start at a specific time and play during a time slot. Assigning every playlist a unique name will make it easier to program your schedule in the following steps.

For optimal playback, choose content in the following format:

- Format: WMV (Windows Media Video v9)
- Codec: VC-1
- Bit rate: average 5 Mbps (for standard quality)
- Keyframe: 1s

For more information on how to edit playlists, fading, crossfading and previewing, please refer to the Content Manager manual in the help section.

### 5.5. Content conversion

After the content and different playlists have been created, you must convert the files into a compatible format so it can be uploaded to the panels. This conversion is done automatically in the Content Manager - Content converter tab. You must perform this step before you upload the content to the installation.

### 5.6. Scheduling

Once the playlists have been created in the Content Manager - Playlist editor tab, you can open the Scheduler tab.

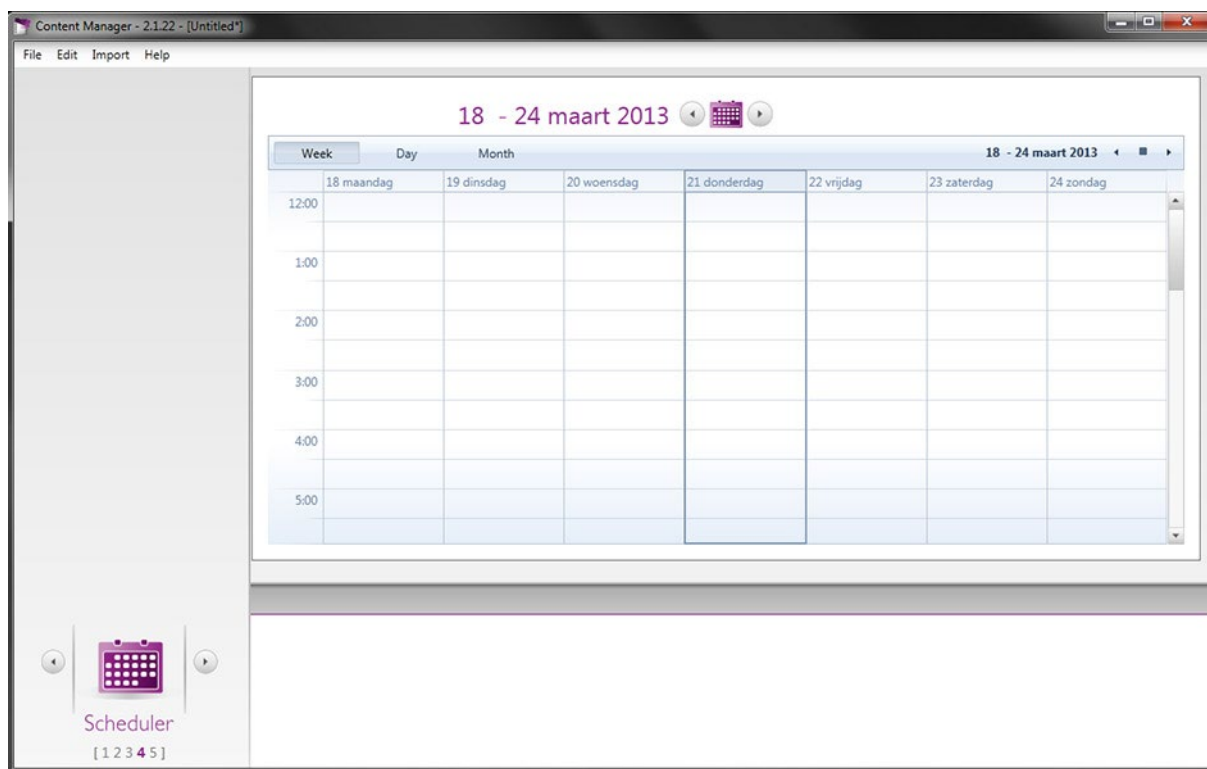


Figure 27: Content Manager - Scheduler

The Scheduler allows you to program the different playlists to start and end at specific times. If the playback duration exceeds the duration of the playlist, the playlist will loop until the end time is reached.



You can also program recurring events in the Content Manager - Scheduler, so that there is no need to program a repetitive action for each day, week or month.

For more information on how to schedule playlists, please refer to the Content Manager manual in the help section.

### 5.7. Upload all setting to your luminous textile panels

The last step of the programming is to transfer the created and saved project to the LTPs via the Ethernet connections.

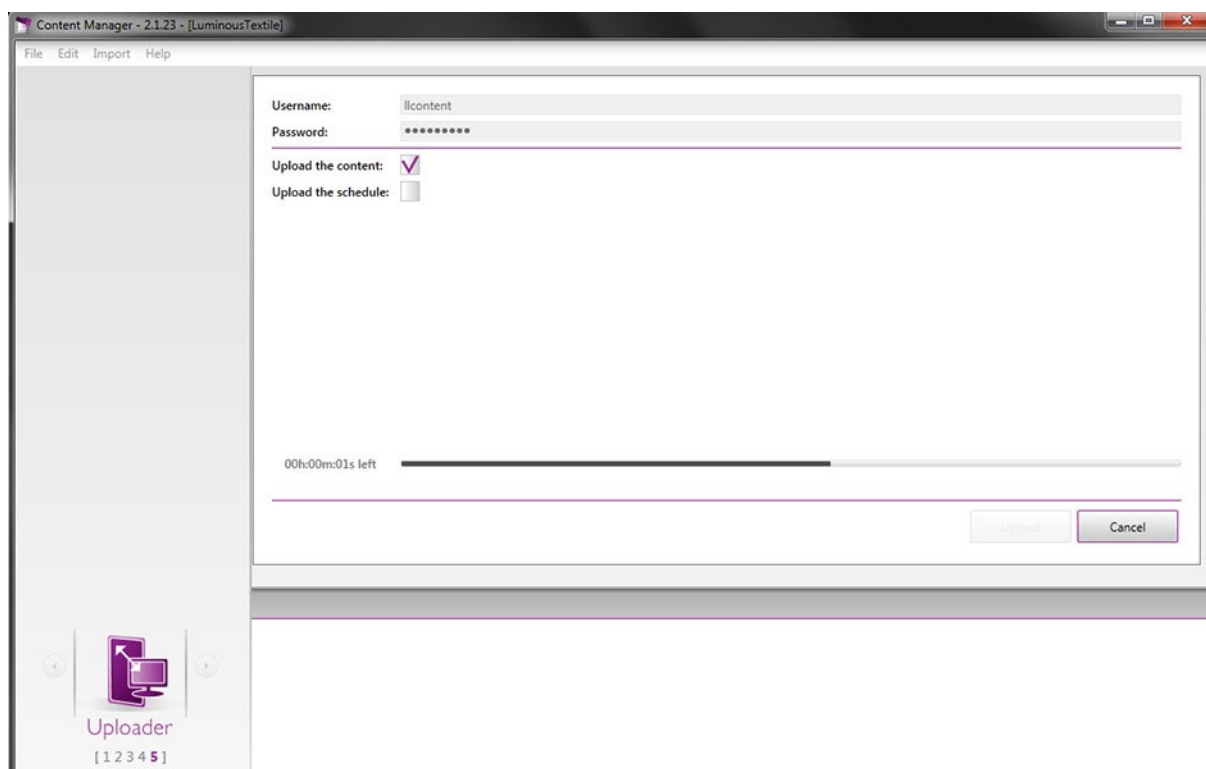


Figure 28: Content Manager - Uploader

It is important that all the Surface configurator settings are correct and have been tested before the uploading begins.

If the settings or the network are not configured correctly, an error message will be displayed.

A password is required to upload content to the panels.

The default settings are:

- User name: llcontent (LLcontent)
- Password: llcontent (LLcontent)

The password can be changed in the administrator section of the control page (see section 5.1).

For more information about uploading the project to the LTPs and changing passwords, please consult the Content Manager manual in the help section of the Content Manager.

## 5.8. Streaming system (DVI)

If your installation includes a streaming system that consists of a Philips Color Kinetics streaming device (e.g. Video System Manager Pro) and the luminous textile panels, you do not need to use the Content Manager.

Each LTP will act as a Color Kinetics device and can be streamed to with the Philips KiNET protocol.

For more detailed instructions on how to install the streaming system, consult the Color Kinetics manual available from their website: <http://www.colorkinetics.com/support/userguides/>

Search for the "Video Management Tool Pro 2 User Guide" in the user guide list.

Open the control page for each LTP (see section 5.1) and access the administrator page as described in the Content Manager manual. In the administrator section, enable streaming as shown in Figure 29.

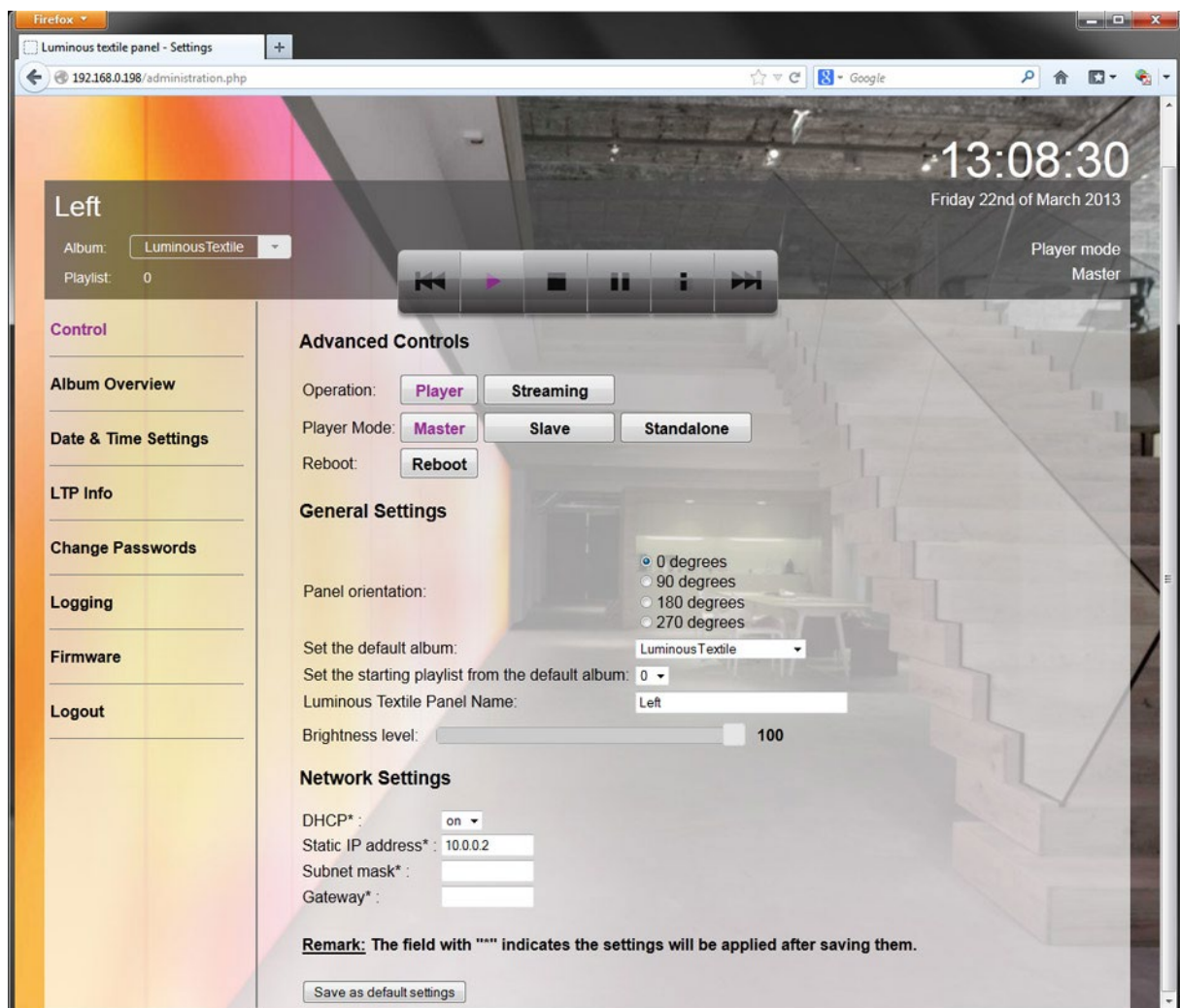


Figure 29: Streaming system

## 6. Finalising the installation

When the complete installation is finished, that means:

1. Luminous textile panels are mounted and connected.
2. Network configuration has been finalised.
3. Content Manager - Surface configuration contains the settings of the network and the layout of the LTPs.
4. Content has been imported into the Content Manager - Playlist editor.
5. Content has been rendered in the Content converter.
6. The Content Manger Scheduler has been programmed, if desired.
7. The complete project created in the Content Manager (Surface configurator, Playlist editor, Content converter and Scheduler) has been saved and uploaded to the panels via the Content Manager - Uploader.
8. Test final installation by using the remote control, the control page and the Scheduler to check the functionality of all the controls.

The final step of the installation is:

9. Make sure the IP address of the Master LTP and the project file (\*.lcp) is transferred to the client or the project management for future access.

## 7. Maintenance

### 7.1. Care instructions for the textile finish of the luminous textile panel

Stains can often be removed using a damp cloth before they penetrate into the fibres.

If the stain has dried, first scrape off as much as possible with a brush and remove as much as possible with a vacuum cleaner. Then clean using water and, if needed, clean again with soapy water.

It is important to rinse with clean water. When treating stubborn stains, stain removers should be “worked into the fabric” with a clean, damp, absorbent cloth.

#### **WARNING!**

Be careful when using solvents like benzene, xylol and acetone because these could damage the fabric.

#### **General information**

These tips for stain removal are only recommendations. We cannot guarantee 100% removal.

In all cases we recommend you obtain specialist advice from a reputable dry cleaner.

#### 7.1.1. Detailed cleaning instructions

##### **Alcohol**

Fresh stains treat with a weak solution of organic acids (household vinegar). Rinse immediately.\*

Dried stains treat with a general “oxidative” bleaching agent. †

##### **Ballpoint pen**

Use surgical spirit, then acetone (e.g. oil-free nail varnish remover).

##### **Blood**

Treat fresh stains with an alkaline-based cleaning agent (e.g. soap flakes or washing-up liquid and soda).

Rinse immediately.\*

Treat dried stains with an enzyme agent, such as washing powder; note the recommended reaction time.

Dry carefully.

##### **Butter**

Treat with a solvent (benzene, xylol, acetone etc.). While scraping it off, beat it gently and vacuum when completely dry, then: Treat fresh stains with an alkaline-based cleaning agent (e.g. soap flakes or washing-up liquid and soda).

Rinse immediately.\*

Treat dried stains with an enzyme agent, such as washing powder; note the recommended reaction time.

Dry carefully.

##### **Candle wax**

Treat with a solvent (benzene, xylol, acetone etc.). While scraping it off, beat it gently and vacuum when completely dry.

##### **Chewing gum**

Treat with a solvent (benzene, xylol, acetone etc.). While scraping it off, beat it gently and vacuum when completely dry.

##### **Chocolate**

Treat fresh stains with an alkaline-based cleaning agent (e.g. soap flakes or washing-up liquid and soda).

Rinse immediately.\* Finally, treat with a weak solution of organic acids (household vinegar). Rinse immediately.\*

Treat dried stains with an enzyme agent, such as washing powder; note the recommended reaction time.

Dry carefully. Then treat with a solvent (benzene, xylol, acetone etc.). While scraping it off, beat it gently and vacuum when completely dry.

Finally, treat with a general “oxidative” bleaching agent.

##### **Coffee (black)**

Fresh stains: treat with a weak solution of organic acids (household vinegar). Rinse immediately.\*

Dried stains: treat with a general “oxidative” bleaching agent. †

**Cream**

Treat fresh stains with an alkaline-based cleaning agent (e.g. soap flakes or washing-up liquid and soda).

Rinse immediately.\*

Treat dried stains with an enzyme agent, such as washing powder; note the recommended reaction time.

Dry carefully.

**Gravy**

Treat fresh stains with an alkaline-based cleaning agent (e.g. soap flakes or washing-up liquid and soda).

Rinse immediately.\*

Treat dried stains with an enzyme agent, such as washing powder; note the recommended reaction time.

Dry carefully. Then, treat with a solvent (benzene, xylol, acetone etc.). While scraping it off, beat it gently and vacuum when completely dry

**Grease**

Treat with a solvent (benzene, xylol, acetone etc.). While scraping it off, beat it gently and vacuum when completely dry.

**Ink**

Treat using water mixed with furniture shampoo. Then contact a specialist.

**Jam**

Treat fresh stains with a weak solution of organic acids (household vinegar). Rinse immediately.\*

Treat dried stains with a general "oxidative" bleaching agent. †

**Juice, drinks (fruit syrup base)**

Treat fresh stains with a weak solution of organic acids (household vinegar). Rinse immediately.\*

Treat dried stains with a general "oxidative" bleaching agent. †

**Lipstick**

Treat with a solvent (benzene, xylol, acetone etc.). While scraping it off, beat it gently and vacuum when completely dry.

**Milk**

Treat fresh stains with an alkaline-based cleaning agent (e.g. soap flakes or washing-up liquid and soda).

Rinse immediately.\*

Treat dried stains with an enzyme agent, such as washing powder; note the recommended reaction time.

Dry carefully.

**Nail varnish**

Treat with a solvent (benzene, xylol, acetone etc.). While scraping it off, beat it gently and vacuum when completely dry.

**Oil**

Treat with a solvent (benzene, xylol, acetone etc.). While scraping it off, beat it gently and vacuum when completely dry.

**Paint (oil based)**

Treat with a solvent (benzene, xylol, acetone etc.). While scraping it off, beat it gently and vacuum when completely dry.

**Paint (water based)**

Start with just cold water.

Then use water mixed with furniture shampoo. Finally, contact a specialist.

**Shoe polish**

Treat with a solvent (benzene, xylol, acetone etc.). While scraping it off, beat it gently and vacuum when completely dry.

**Soot**

Treat with a solvent (benzene, xylol, acetone etc.). While scraping it off, beat it gently and vacuum when completely dry.

**Tea**

Treat fresh stains with a weak solution of organic acids (household vinegar). Rinse immediately.\*

Treat dried stains with a general "oxidative" bleaching agent. †

### **Urine**

Treat fresh stains with an alkaline-based cleaning agent (e.g. soap flakes or washing-up liquid and soda).

Rinse immediately.\*

Treat dried stains with an enzyme agent, such as washing powder; note the recommended reaction time.

Dry carefully.

### **Vomit**

Treat fresh stains with an alkaline-based cleaning agent (e.g. soap flakes or washing-up liquid and soda).

Rinse immediately.\*

Treat dried stains with an enzyme agent, such as washing powder; note the recommended reaction time.

Dry carefully.

### **Wine**

Treat fresh stains with a weak solution of organic acids (household vinegar). Rinse immediately.\*

Treat dried stains with a general "oxidative" bleaching agent. †

### **Finishing**

\*) We recommend that after every cleaning, you use spray extraction, so that any edge marks / residual cleaning agents are removed.

†) "Oxidative" bleaching agent. This refers to a weak, 3% hydrogen peroxide solution.

## **7.1.2. Material specification: Trevira CS**

All textile finishes of the luminous textile panel are made from Trevira CS yarns.

Trevira CS is a special type of polyester (synthetic fibre): the chemical composition of the fibres makes this textile permanently flame-retardant. This quality remains intact after repeated laundering and long-term usage.

Trevira CS fulfils all current fire standards applicable in Europe, both for home use and for the contract market. In addition, this easy care textile ensures a high degree of light fastness, which means minimal fading.



## **7.2. Data management instructions for the luminous textile panel.**

The administrator can access log files of each LTP and can clean up data and change settings stored on each panel.

For more instruction on how to manage and to maintain this data storage, please check the Content Manager manual.

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## 8. Troubleshooting

If the information below does not solve your problem, please check our website:

[www.philips.com/luminous-textile](http://www.philips.com/luminous-textile)

### DHCP reservation setup:

Enter the panels in the router's DHCP RESERVATIONS LIST and assign each panel a name that corresponds to the setup layout of the panel.

DHCP RESERVATIONS LIST					
Enable	Computer Name	MAC Address	IP Address		
<input checked="" type="checkbox"/>	right	00:04:f3:03:6f:27	192.168.0.198		
<input checked="" type="checkbox"/>	left	00:04:f3:03:6f:55	192.168.0.199		



NUMBER OF DYNAMIC DHCP CLIENTS:2				
Hardware Address	Assigned IP	Hostname	Expires	
00:04:f3:03:6f:27	192.168.0.198	right	Never	
00:04:f3:03:6f:55	192.168.0.199	left	Never	

Figure 30: DHCP RESERVATIONS LIST

### No visual feedback when clicking Identify in the Content Manager.

1. Unplug the power to the panels, wait a few seconds, and plug the power back in,  
Check whether default colour content is running.  
If there is no visible color animation on start-up, contact Large Luminous Surface back office:

Email: [info.luminous-textile@philips.com](mailto:info.luminous-textile@philips.com)

2. Enter the IP address of the specific panel in your browser.  
When the page opens, click the play/stop button and check whether the panel responds.

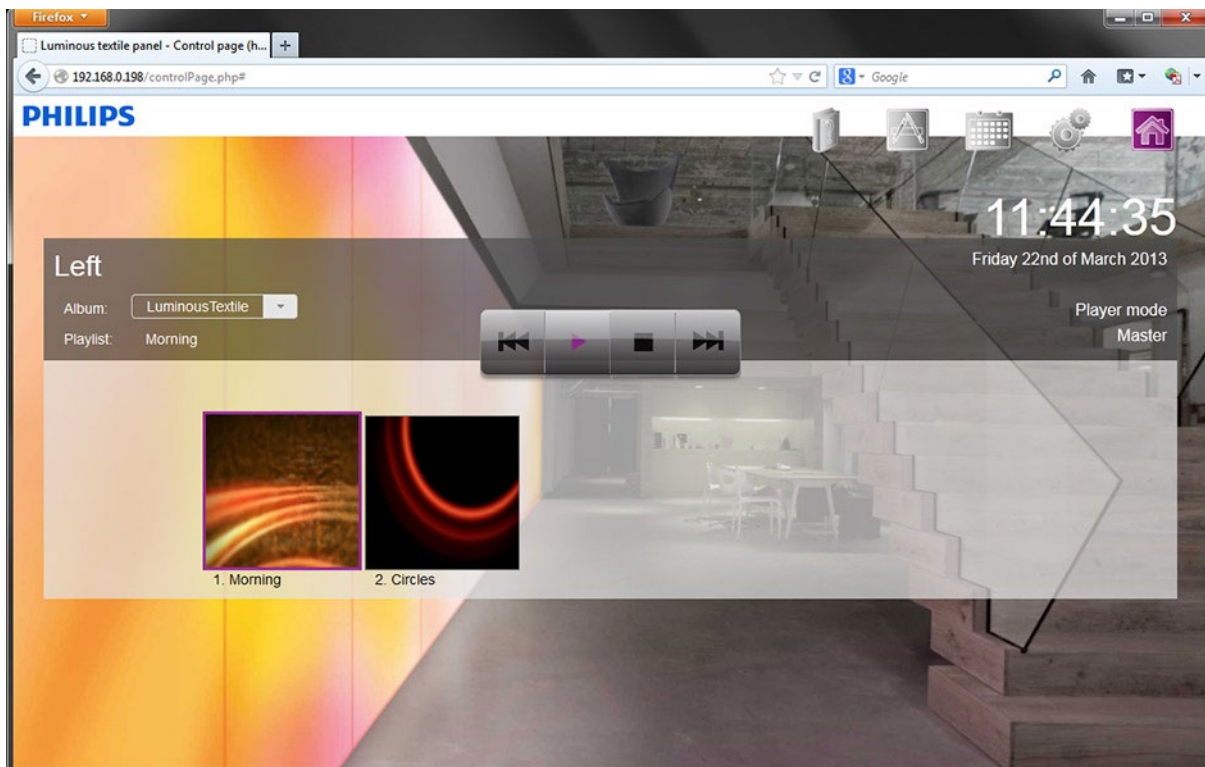


Figure 31: Player

If the webpage does not open in your browser, check the network configuration.

Check whether the Ethernet cable is correctly connected to the router by checking the blinking LED next to the Ethernet connector on the driver box.

If the LED does not light up there is no connection to the router.

An orange LED indicates that the panels are connected to the router.

A green blinking LED indicates that the LTP has been assigned an IP address by the router and is sending and receiving data.

Note:

- Each panel can also operate without being connected to the Ethernet interface. In this case the panel will play its default content. If you plan to have the panel operate without a network connection, it is recommended that you initially connect it to a network so it can be configured to play the intended content, after which you can disconnect it from the network.



### My panels are bigger than 170" 3/32 x 47" 8/32

Contact your contractor to receive the project file delivered by Philips. Make sure the IP addresses of your luminous textile panels correspond to the two connected parts shown in the Content Manager surface configuration.

### Unable to upload content to the installation

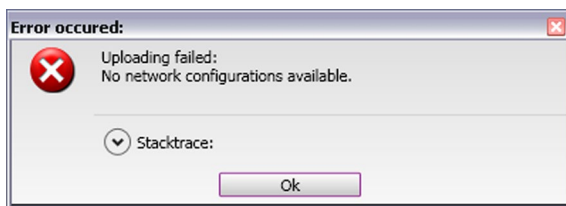



Figure 32: Error notification

When you receive the error shown above, go to the Content Manager surface configuration page and click "Identify" to obtain visual feedback on each panel.

If no visual feedback is provided, go to **"No visual feedback when clicking Identify in the Content Manager"** elsewhere in the troubleshooting chapter.

### Remote control does not work

Check whether the laser pointer works (  in the middle of the remote control)

Please check whether the USB receiver has been removed from the bottom of the remote control.

If the laser pointer does not work, replace the battery and try again.

If the laser pointer still does not work after you have replaced the battery, check whether the on/off switch on the side of the remote is set to the ON position.

If the laser pointer works but the Master panel does not respond, please check whether the USB receiver is correctly inserted in the driver box

If the Master panel does not respond when you press buttons on the remote control, contact Large Luminous Surface back office:

Email: [info.luminous-textile@philips.com](mailto:info.luminous-textile@philips.com)



Figure 33: Remote control

### Part of the panel does not light up

Contact your supplier or Large Luminous Surface back office:

Email: [info.luminous-textile@philips.com](mailto:info.luminous-textile@philips.com)

## 9. Contact / Information

Large Luminous Surfaces, Philips Lighting B.V. head quarters:

High Tech Campus 27

5600 AE Eindhoven, the Netherlands

*Email: [info.luminous-textile@philips.com](mailto:info.luminous-textile@philips.com)*

*Website: [www.largeluminoussurfaces.com](http://www.largeluminoussurfaces.com)*

## Appendix

The entire installation procedure:

1. Plan the position of the panels on the wall or ceiling.
2. Plan the location of power sockets and Ethernet sockets. For more information about power and network requirements and placement, see *section 4.1: The actual installation - guidelines*.
3. Plan the network set-up: How many panels will be connected to a router? How many routers and what type of router will be used?
4. Determine which LTP will be set as Master. The Master LTP should hold the Remote Control USB receiver! See *Chapter 3* for more information about Master/Slave configuration of the LTP.
5. Perform the actual installation starting from *Chapter 4*.
6. Set-up and test the LTP installation using the Content Manager as explained in *Chapter 5*.
7. Upload content to the LTP installation using the Content Manager.







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